

NEWSLETTER APRIL 2007

RESEARCH PROJECT DEVELOPMENT AND APPROVAL PROCESS

Large budget research projects (greater than \$25,000) are selected annually. The process can begin with an idea from an Arizona Department of Transportation (ADOT) staff person, a potential researcher or anyone outside ADOT. An overview of the process is shown in the flow chart to the right.

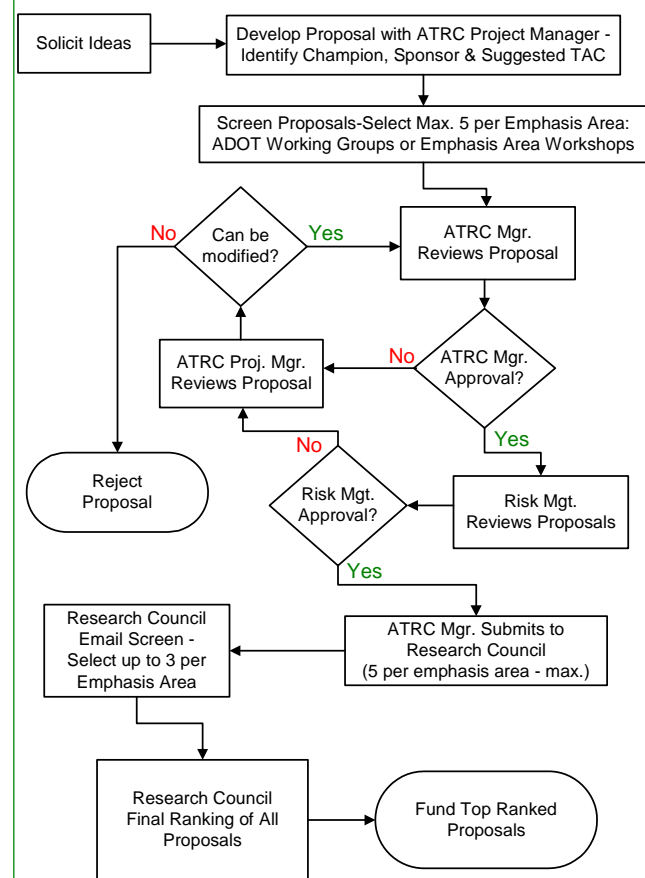
SMALL BUDGET RESEARCH PROGRAM BUDGET EXPANDED

The ADOT Research Council approved an expansion of the Arizona Transportation Research Center (ATRC) small budget research program budget. The limit for each project has been increased from \$15,000 to \$25,000 and the total program budget increased from \$100,000 to \$200,000 annually. Small budget projects may be proposed at any time during the year. If approved by a majority vote of the Research Council these projects are funded and initiated immediately.

ANNUAL RESEARCH IMPLEMENTATION REPORT

The ATRC *Research Implementation Report – 2006* was published last month. The report highlights actions and results stemming from ATRC research studies. Studies highlighted include: research on atmospheric effects on highway noise propagation (SPR-555), innovative noise barrier designs (SPR-572), continuing research on intelligent vehicle applications to snow plows (SPR-473), pavement recycling methods (SPR-460), highway features for older drivers (SPR-486), cost of overweight vehicles (SPR-528), reducing revenue losses associated with dyed diesel fuel (SPR-578), and a new Arizona construction cost index (SPR-622). The report is available online at: www.azdot.gov/TPD/ATRC/publications/implementation/PDF/Report_2006.pdf

RESEARCH PROPOSAL SELECTION PROCESS Major Projects



Arizona Transportation Research Center - March 2007

COMPLETED PROJECTS

Six reports were published during the last quarter.

SPR-569, *Transportation Communications Interoperability Phase 2- Resource Evaluation*

Project Manager: Steve Owen
tel: 602-712-6910; email: sowen@azdot.gov

SPR-576, *US-93 Big Horn Sheep Study*

Project Manager: Tom Kombe
tel: 602-712-3135; email: ekmobe@azdot.gov

SPR-585, *Snowplow Simulator Training Evaluation*

Project Manager: Steve Owen
tel: 602-712-6910; email: sowen@azdot.gov

SPR-595, *Real-time Adaptive Ramp Metering: Phase 1 - Simulation & Proof of Concept*

Project Manager: Steve Owen
tel: 602-712-6910; email: sowen@azdot.gov

SPR-620, *Developing a Stabilized Public Transportation Revenue Source*

Project Manager: John Semmens
tel: 602-712-3137; email: jsemmens@azdot.gov

SPR-621, *High Density Polyethylene Pipe Fill Height Table*

Project Manager: Christ Dimitroplos
tel: 602-712-7850; email: cdimitroplos@azdot.gov

The reports are available online at:

http://www.azdot.gov/TPD/ATRC/Publications/project_reports/index.asp

ATRC LIBRARY

ATRC library information, including the library catalogue, is available online at:

www.azdot.gov/TPD/ATRC/library/index.asp

TRB STATE REPRESENTATIVE

The Transportation Research Board (TRB) was established in 1920 to help state and other highway agencies improve the design, construction and operation of public highways through research. TRB fulfills its mission through standing committees, task forces, publication of peer-reviewed reports, management of the cooperative research programs, and conducting special studies. Frank Darmiento is the ADOT TRB state representative. If you have questions on TRB activities please contact Frank.

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MISSION: The ATRC mission is to pursue and share knowledge in transportation systems and programs.